

P510471-SEQ.ST25.txt
SEQUENCE LISTING

<110> Rehm, Bernd H.A.

<120> Method for Producing Biodegradable, Functionalised Polymer Particles, and Use of the Same as Medicament Carriers

<130> 510471

<140> PCT/DE03/002799

<141> 2003-08-22

<150> DE 102 40 034.0

<151> 2002-08-30

<160> 15

<170> PatentIn version 3.3

<210> 1

<211> 29

<212> DNA

<213> Artificial

<220>

<223> Primer

<400> 1

aaaggcccca tggctctcac cccggaaca

29

<210> 2

<211> 33

<212> DNA

<213> Artificial

<220>

<223> Primer

<400> 2

aaaggccgga tcctcagggc actaccttca tcg

33

<210> 3

<211> 708

<212> DNA

<213> Artificial

<220>

<223> Sequenz enthält phaP kodierende DNA aus R. eutropha

<400> 3

aaaggcccca tgatcctcac cccggaacaa gttgcagcag cgcaaaaggc caacctcgaa

60

acgctgttcg gcctgaccac caaggcggtt gaaggcgtcg aaaagctcgt cgagctgaac

120

ctgcaggtcg tcaagacttc gttcgagaa ggcgttgaca acgccaagaa ggcgtgtcg

180

gccaaggacg cacaggaact gctggccatc caggccgcag ccgtgcagcc ggttgccgaa

240

aagaccctgg cctacacccg ccacctgtat gaaatcgctt cggaaacca gagcgagttc

300

accaaggtag ccgaggctca actggccgaa ggctcgaaga acgtgcaagc gctggtcgag

360

P510471-SEQ.ST25.txt

```

aacctcgcca agaacgcccc ggccggttcg gaatcgaccg tggccatcgt gaagtcggcg      420
atctccgctg ccaacaacgc ctacgagtcg gtgcagaagg cgaccaagca agcggtcgaa      480
atcgctgaaa ccaacttcca ggctgcggct acggctgcca ccaaggctgc ccagcaagcc      540
agcgccacgg cccgtacggc cacggcaaaag aagacgacgg ctgcctgata actgcctgcg      600
ttgaagatgg accggctgcg gccgggtccgt tggcaaagca tatcgacgcc tggcgtttgc      660
ggtgtgtttt gccaacgatg aaggtagtgc cctgaggatc cggccttt      708

```

<210> 4
 <211> 34
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 4
 aaagggccat ggctggcaag aagaattccg agaa 34

<210> 5
 <211> 39
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 5
 aaagggggat cctcagatca gggtagcggg gcctgtctg 39

<210> 6
 <211> 793
 <212> DNA
 <213> Artificial

<220>
 <223> Sequenz enthält phaF kodierende DNA aus P. oleovorans

```

<400> 6
aaagggccat ggctggcaag aagaattccg agaaagaagg cagctcctgg gtcggcgggga      60
tcgagaagta ctcccgcaag atctggctgg cggggcttgg tatctattcg aagatcgacc      120
aggacggccc gaagctgttc gactcgctgg taaaggatgg cgagaaggcc gagaaacagg      180
cgaagaagac cgcagaagat gttgctgaaa ctgccaagtc gtcgaccact tcgctgtgtg      240
cgggcgtgaa ggaccgtgcg ctaggcaagt ggagcgaact cgaagaggcc ttcgacaagc      300
gcctgaacag tgccatctcg cgccttggcg tgccgagccg caacgagatc aaggccctgc      360
accagcaggg ggacagcctg accaagcaga tcgagaaact caccggcgct tcggttaccg      420
cgatttcgtc gcgcactgca gccaaaccgg ctgcgagcaa ggcggcggcc aagccactgg      480

```

P510471-SEQ.ST25.txt

```
ccaagacggc agcggccaag cctgcggcaa aaaccgcggc agccaagccg gcagccaagg 540
ccgcagcggc taaacctgct gccaaactg cggcggccaa gcctgcggcg aaaccggcag 600
cggccaaacc ggctgtggcg aagaagcctg cagtgaagaa agcaccggcc aagccggcag 660
ccgccaagcc ggcagctcca gcggccagcg ccgctccggc cgctagcgca gttcggcgcc 720
cactgcggct ccggccagca acccgcttc ggcacagaca ggcaccggtta ccctgatctg 780
aggatcccc ttt 793
```

<210> 7
<211> 54
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 7
gggctctaga aataaggaga tatacatatg tggtgtaaga acaataacga gctt 54

<210> 8
<211> 29
<212> DNA
<213> Artificial

<220>
<223> Primer

<400> 8
aaacgcggat ccttttcatt gttcatgca 29

<210> 9
<211> 1722
<212> DNA
<213> Artificial

<220>
<223> Sequenz enthält die für PhaC1 codierende DNA aus P. aeruginosa

```
<400> 9
gggctctaga aataaggaga tatacatatg tggtgtaaga acaataacga gcttccaag 60
caagccgcgg aaaacacgct gaacctgaat ccggtgatcg gcatccgggg caaggacctg 120
ctcacctccg cgcgcatggt cctgctccag gcggtgcgcc agccgctgca cagcgccagg 180
cacgtggcgc atttcagcct ggagctgaag aacgtcctgc tcggccagtc ggagctacgc 240
ccaggcgatg acgaccgacg cttttccgat ccggcctgga gccagaatcc actgtacaag 300
cgctacatgc agacctacct ggcctggcgc aaggagctgc acagctggat cagccacagc 360
gacctgtcgc cgcaggacat cagtcgtggc cagttcgtca tcaacctgct gaccgaggcg 420
atgtcgccga ccaacagcct gagcaacccg gcggcgggtca agcgcttctt cgagaccggc 480
ggcaagagcc tgctggacgg cctcggccac ctggccaagg acctggtgaa caacggcggg 540
```

P510471-SEQ.ST25.txt

atgccgagcc aggtggacat ggacgccttc gaggtgggca agaacctggc caccaccgag	600
ggcgccgtgg tgttccgcaa cgacgtgctg gaactgatcc agtaccggcc gatcaccgag	660
tcggtgcacg aacgcccgt gctggtggtg ccgccgcaga tcaacaagtt ctacgtcttc	720
gacctgtcgc cggacaagag cctggcgcg cttctgcctgc gcaacggcgt gcagaccttc	780
atcgtcagtt ggcgcaaccc gaccaagtgc cagcgcaaat ggggcctgac cacctatatc	840
gaggcgctca aggaggccat cgaggtagtc ctgtcgatca ccggcagcaa ggacctcaac	900
ctcctcggcg cctgctccgg cgggatcacc accgcgaccc tggtcggcca ctacgtggcc	960
agcggcgaga agaaggtcaa cgccttcacc caactggtca gcgtgctcga cttcgaactg	1020
aatacccagg tcgcgctgtt cgccgacgag aagactctgg aggccgcaa gcgtcgttcc	1080
taccagtccg gcgtgctgga gggcaaggac atggccaagg tgttcgctg gatgcgcccc	1140
aacgacctga tctggaacta ctgggtcaac aactacctgc tcggcaacca gccgccggcg	1200
ttcgacatcc tctactggaa caacgacacc acgcgcctgc ccgccgcgt gcacggcgag	1260
ttcgtcgaac tgttcaagag caaccgctg aaccgccccg gcgccctgga ggtctccggc	1320
acgcccacgc acctgaagca ggtgacttgc gacttctact gtgtcgccgg tctgaacgac	1380
cacatcacc cctgggagtc gtgctacaag tcggccaggc tgctgggtgg caagtgcgag	1440
ttcatcctct ccaacagcgg tcacatccag agcatcctca acccaccggg caacccaag	1500
gcacgcttca tgaccaatcc ggaactgccc gccgagccca aggcctggct ggaacaggcc	1560
ggcaagcacg ccgactcgtg gtggttgac tggcagcaat ggctggccga acgctccggc	1620
aagaccgcga aggcgcccgc cagcctgggc aacaagacct atccggccgg cgaagccgcg	1680
cccggaacct acgtgcatga acgatgaaaa ggatccgcgt tt	1722

<210> 10
 <211> 36
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 10
 tatgactagt gattataaag atgatgatga taaaca

36

<210> 11
 <211> 36
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 11

tatgtttatc atcatcatct ttataatcac tagtca

<210> 12
 <211> 1716
 <212> DNA
 <213> Artificial

<220>

<223> Sequenz enthält die für PhaC1 codierende DNA aus *P. aeruginosa*
 und die für ein FLAG-Epitop codierende DNA

<400> 12

atgactagtg attataaaga tgatgatgat aaacatatga gtcagaagaa caataacgag	60
cttcccaagc aagccgcgga aaacacgctg aacctgaatc cggatgatcgg catccggggc	120
aaggacctgc tcacctccgc gcgcatggtc ctgctccagg cggatgcgcca gccgctgcac	180
agcgccaggc acgtggcgca tttcagcctg gagctgaaga acgtcctgct cggccagtcg	240
gagctacgcc caggcgatga cgaccgacgc ttttccgatc cggcctggag ccagaatcca	300
ctgtacaagc gctacatgca gacctacctg gcctggcgca aggagctgca cagctggatc	360
agccacagcg acctgtcgcc gcaggacatc agtcgtggcc agttcgtcat caacctgctg	420
accgaggcga tgctgcggac caacagcctg agcaaccggc cggcgggtcaa gcgcttcttc	480
gagaccggcg gcaagagcct gctggacggc ctcggccacc tggccaagga cctgggtgaac	540
aacggcgggg tgccgagcca ggtggacatg gacgccttcg aggtgggcaa gaacctggcc	600
accaccgagg gcgccgtggt gttccgcaac gacgtgctgg aactgatcca gtaccggccg	660
atcaccgagt cggatgcacga acgcccgtg ctggtggtgc cgccgcagat caacaagttc	720
tacgtcttcg acctgtcgcc ggacaagagc ctggcgcgct tctgcctgcg caacggcggtg	780
cagaccttca tcgtcagttg gcgcaaccgg accaagtcgc agcgcgaaatg gggcctgacc	840
acctatatcg aggcgtcaa ggaggccatc gaggtagtcc tgatgatcac cggcagcaag	900
gacctcaacc tcctcggcgc ctgctccggc gggatcacca ccgcgaccct ggtcggccac	960
tacgtggcca gcggcgagaa gaaggtcaac gccttcaccc aactggtcag cgtgctcgac	1020
ttcgaactga ataccaggt cgcgctgttc gccgacgaga agactctgga ggccgccaag	1080
cgctgttcct accagtccgg cgtgctggag ggcaaggaca tggccaaggt gttcgcctgg	1140
atgcgcccc aagacctgat ctggaactac tgggtcaaca actacctgct cggcaaccag	1200
ccgcccggcg tcgacatcct ctactggaac aacgacacca cgcgcctgcc cgccgcgctg	1260
cacggcgagt tcgtcgaact gttcaagagc aaccgctga accgccccgg cgccctggag	1320
gtctccggca cggccatcga cctgaagcag gtgacttgcg acttctactg tgatgccggt	1380
ctgaacgacc acatcacccc ctgggagtcg tgctacaagt cggccaggct gctgggtggc	1440
aagtgcgagt tcacacctc caacagcggc cacatccaga gcatcctcaa cccaccgggc	1500

P510471-SEQ.ST25.txt

aacccaagg cacgcttcat gaccaatccg gaactgcccg ccgagcccaa ggcctggctg 1560
 gaacaggccg gcaagcacgc cgactcgtgg tggttgcact ggcagcaatg gctggccgaa 1620
 cgctccggca agacccgcaa ggcgcccgc agcctgggca acaagaccta tccggccggc 1680
 gaagccgcgc ccggaaccta cgtgcatgaa cgatga 1716

<210> 13
 <211> 34
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 13
 ggactagtat gaccatgatt acggattcac tggc 34

<210> 14
 <211> 41
 <212> DNA
 <213> Artificial

<220>
 <223> Primer

<400> 14
 ccactagttt tttagacacca gaccaactgg taatggtagc g 41

<210> 15
 <211> 3088
 <212> DNA
 <213> Artificial

<220>
 <223> Sequenz enthält das lacZ Gen aus E. coli

<400> 15
 ggactagtat gaccatgatt acggattcac tggccgtcgt ttacaacgt cgtgactggg 60
 aaaaccctgg cgttaccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc 120
 gtaatagcga agaggccgc accgatcgcc cttcccaaca gttgcgagc ctgaatggcg 180
 aatggcgctt tgcctggttt ccggcaccag aagcggtgcc ggaaagctgg ctggagtgcg 240
 atcttctga ggccgatact gtcgtcgtcc cctcaaactg gcagatgcac ggttacgatg 300
 cgcccatcta caccaacgtg acctatccca ttacggtcaa tccgccgttt gttcccacgg 360
 agaatccgac gggttgttac tcgtcacat ttaatgttga tgaaagctgg ctacaggaag 420
 gccagacgcg aattatTTTT gatggcgtaa actcggcggt tcatctgtgg tgcaacgggc 480
 gctgggtcgg ttacggccag gacagtcgtt tgccgtctga atttgacctg agcgcatttt 540
 tacgcgccgg agaaaaccgc ctcgcggtga tgggtgctgcg ctggagtgcg ggcagttatc 600
 tggaagatca ggatatgtgg cggatgagcg gcattttccg tgacgtctcg ttgctgcata 660

P510471-SEQ.ST25.txt

aaccgactac	acaaatcagc	gattttccatg	ttgccactcg	ctttaatgat	gatttcagcc	720
gcgctgtact	ggaggctgaa	gttcagatgt	gcggcgagtt	gcgtgactac	ctacgggtaa	780
cagttttcttt	atggcaggggt	gaaacgcagg	tcgccagcgg	caccgcgcct	ttcggcgggtg	840
aaattatcga	tgagcgtggt	ggttatgccg	atcgcgtcac	actacgtctg	aacgtcgaaa	900
acccgaaact	gtggagcgcc	gaaatcccg	atctctatcg	tgcggtgggt	gaactgcaca	960
ccgccgacgg	cacgctgatt	gaagcagaag	cctgcgatgt	cggtttccgc	gaggtgcgga	1020
ttgaaaatgg	tctgctgctg	ctgaacggca	agccgttgct	gattcgaggc	gttaaccgtc	1080
acgagcatca	tcctctgcat	ggtcaggtca	tggatgagca	gacgatggtg	caggatatcc	1140
tgctgatgaa	gcagaacaac	tttaacgccg	tgcgctgttc	gcattatccg	aaccatccgc	1200
tgtggtacac	gctgtgcgac	cgctacggcc	tgtatgtggt	ggatgaagcc	aatattgaaa	1260
cccacggcat	ggtgccaatg	aatcgtctga	ccgatgatcc	gcgctggcta	ccggcgatga	1320
gcgaacgcgt	aacgcgaatg	gtgcagcgcg	atcgtaatca	cccagtggtg	atcatctggt	1380
cgctggggaa	tgaatcaggc	cacggcgcta	atcacgacgc	gctgtatcgc	tggatcaa	1440
ctgtcgatcc	ttcccgcccg	gtgcagtatg	aaggcggcgg	agccgacacc	acggccaccg	1500
atattatttg	cccgatgtac	gcgcgcgtgg	atgaagacca	gcccttcccg	gctgtgccga	1560
aatggtccat	caaaaaatgg	ctttcgctac	ctggagagac	gcgcccgtg	atcctttgcg	1620
aatacgccca	cgcgatgggt	aacagtcttg	gcggtttcgc	taaatactgg	caggcgtttc	1680
gtcagtatcc	ccgtttacag	ggcggcttcg	tctgggactg	ggtggatcag	tcgctgatta	1740
aatatgatga	aaacggcaac	ccgtggtcgg	cttacggcgg	tgattttggc	gatacgccga	1800
acgatcgcca	gttctgtatg	aacggtctgg	tctttgccga	ccgcacgccg	catccagcgc	1860
tgacggaagc	aaaacaccag	cagcagtttt	tccagttccg	tttatccggg	caaaccatcg	1920
aagtgaccag	cgaataacctg	ttccgtcata	gcgataacga	gctcctgcac	tggatgggtg	1980
cgctggatgg	taagccgctg	gcaagcgggtg	aagtgcctct	ggatgtcgct	ccacaaggta	2040
aacagttgat	tgaactgcct	gaactaccgc	agccggagag	cgccgggcaa	ctctggctca	2100
cagtacgcgt	agtgaaccg	aacgcgaccg	catggtcaga	agccgggcac	atcagcgcct	2160
ggcagcagtg	gcgtctggcg	gaaaacctca	gtgtgacgct	ccccgccgcg	tcccacgcca	2220
tcccgcatct	gaccaccagc	gaaatggatt	tttgcatcga	gctgggta	aagcgttggc	2280
aatttaaccg	ccagtcaggc	tttctttcac	agatgtggat	tggcgataaa	aaacaactgc	2340
tgacgccgct	gcgcgatcag	ttcaccgctg	caccgctgga	taacgacatt	ggcgtaagtg	2400
aagcgacccg	cattgaccct	aacgcctggg	tcgaacgctg	gaaggcggcg	ggccattacc	2460
aggccgaagc	agcgttggtg	cagtgcacgg	cagatacact	tgctgatgcg	gtgctgatta	2520

P510471-SEQ.ST25.txt

cgaccgctca cgcgtggcag catcagggga aaaccttatt tatcagccgg aaaacctacc	2580
ggattgatgg tagtgggtcaa atggcgatta ccgttgatgt tgaagtggcg agcgatacac	2640
cgcattccggc gcggattggc ctgaactgcc agctggcgca ggtagcagag cgggtaaact	2700
ggctcggatt agggccgcaa gaaaactatc ccgaccgcct tactgccgcc tgttttgacc	2760
gctgggatct gccattgtca gacatgtata ccccgtagt cttcccgagc gaaaacggtc	2820
tgcgctgcgg gacgcgcgaa ttgaattatg gcccacacca gtggcgcggc gacttccagt	2880
tcaacatcag ccgctacagt caacagcaac tgatggaaac cagccatcgc catctgctgc	2940
acgcggaaga aggcacatgg ctgaatatcg acggtttcca tatggggatt ggtggcgacg	3000
actcctggag cccgtcagta tcggcggaat tccagctgag cgccggtcgc taccattacc	3060
agttgggtctg gtgtcaaaaa actagtgg	3088